

FIG. 50Q shows oval light passages 28 and a contiguous indicia 8. It is possible to vary the length, shape, and proportion of such ovals or other shapes, or to use ovals in conjunction with other shapes, to produce desired visual patterns.

FIG. 50R is the reverse of FIG. 50Q.

Certain structures may be made to leave on a surface or for combining with partially aligned surface overlaid with a transposed surface and/or an over laminated protective surface, for numerous purposes.

Patterns, such as the examples included in the present invention, may be used for window treatments, such as mini-blinds, horizontally and vertically rotatable panels, multi-sided panels, Venetian blinds, shades, vertical blinds, shutters and other materials used to provide a degree of energy, glare, light or vision control between the inside and the outside of the building, and can be made to provide either dual images such that when, for example, a vertical blind is rotated it can have a message on one or both sides or a decorative pattern or other colored indicia on one side and a mirrored or see through effect on the other.

Protection of a material in sunlight conditions can be obtained by the addition of UV resistant formulations in the base material or by the addition of protective coatings on the exposed surfaces of the material or by the use of a over-laminate film or similar material to provide protection for both the material and any indicia or visible coatings placed on or in close proximity to the surface thereof.

Other combinations of control examples as taught herein include heat and light; heat and energy and light; energy and light; radiation and thermal conductivity; light and radiation; radiation and energy, and others such as glare

#### SUMMARY

The subject matter of this present invention as taught herein together with any embodiment, example, figure, title or combinations of part of any one or more or all of them, and the uses of any of the teachings herein, including combinations of any one or more or all of the embodiments, any one or more or all of the examples, any one or more or all of the figures or titles, or any part of any one of the embodiments together with any one or more parts of the examples or any one or more part or parts of the figures. It would be apparent that there are numerous permutations of combinations of embodiments, examples, figures and titles, and the teachings, any part of any one of which can be combined to produce different results, or to accommodate uses which have not been specifically taught in the present application, and are incorporated by reference together with any coating which may be applied in a variety of ways known in the prior art or taught herein or which become available in the future, and the same types of coatings may be applied in the same or different ways and any other combination to any one or more materials of any type.

It is anticipated that new methods of applying coatings, new formulations of coatings and new compounds or coatings comprising multiple elements and functions will be developed in the future and these are incorporated by reference.

Technical improvements, advances in imaging methods, techniques and materials, future improvements and specialized techniques in electronics and other methods of scanning and identification or anti counterfeiting techniques which may now exist or will be invented in the future and combinations of all of the above may be used with the teachings of the present invention.

It is envisaged that like numerals in the figures may have different meanings in various embodiments, and also may

have the same meaning in any one or more embodiments or examples. For example, "coating 5" may be one substance on one figure, embodiment or example, and a different substance in one or more other figure, embodiment or example, situation or use or uses.

Since certain changes may be made in the teachings in the present invention without departing from the spirit and scope of the invention herein, it is intended that all matter contained in the above description or shown in the accompanying figures shall be interpreted as illustrative and not in a limiting sense.

What is claimed is:

- 1. A method of forming a pattern of color coatings onto a light permeable panel with exact registration between successive color coatings along defined edges of the pattern, and wherein the panel with the pattern of color coatings formed thereon for use as a one-way vision panel, the method comprising the steps of:
  - a) providing a base material having an ink printable release coating on one side thereof;
  - b) applying a first color coating to the printable release coating side or said base material;
  - c) applying at least one additional color coating over at least a portion of said first color coating;
  - d) perforating said base material with said color coatings to provide a pattern of perforate and non-perforate portions to achieve exact registration of said at least one additional color coating with said first color coating for achieving one-way vision effects;
  - e) transferring said pattern of color coatings from said non-perforate portions of said base material onto a surface of a light permeable panel maintaining the exact registration; and
  - f) heating said light permeable panel to fuse said pattern of color coatings onto said surface of said light permeable panel.
- 2. The method according to claim 1 wherein:
  - a) said base material comprises water slide paper; and
  - b) said step of transferring said pattern of color coatings includes wetting said base material to release said pattern of applied color coatings therefrom for water slide transfer to said light permeable panel.
- 3. The method according to claim 2 wherein at least one of said color coatings is opaque.
- 4. The method according to claim 3 wherein said color coatings comprise ceramic ink.
- 5. The method according to claim 3 wherein said color coatings comprise enamel.
- 6. The method according to claim 2 which includes the step of applying at least one coating of metalized material over at least a portion of said printable release coating side of said base material prior to applying said first color coating.
- 7. The method according to claim 1 wherein:
  - a) said base material comprises heat transfer paper;
  - b) said step of transferring said pattern of color coatings includes applying pressure and heat to said heat transfer paper to release said pattern of applied color coatings therefrom.
- 8. The method according to claim 7 wherein at least one of said color coatings is opaque.
- 9. The method according to claim 8 wherein said color coatings comprise ceramic ink.
- 10. The method according to claim 8 wherein said color coatings comprise enamel.

11. The method according to claim 7 which includes the step of applying at least one coating of metalized material over at least a portion of said printable release coating side of said base material prior to applying said first color coating.

12. A method of forming a laminate pattern of color coatings onto a light permeable panel with exact registration between successive color coatings along defined edges of the pattern, and wherein the panel with the laminate pattern of color coatings formed thereon for use as a one-way vision panel, the method comprising the steps of:

- a) providing a base material having an ink printable release coating on one side thereof;
- b) cutting the base material to provide a desired pattern of perforate and non perforate portions for attaining exact registration of successively applied layers of color coatings suitable for one-way vision effects;
- c) applying a first color coating to the non-perforate portions of the printable release coating side of the base material;
- d) applying at least one additional color coating over at least a portion of the first color coating, the application of the additional color coating to the first color coating defining a laminate pattern of color coatings with exact registration along defined edges of the remaining non-perforate portions of the cut base material;
- e) transferring the laminate pattern of color coatings onto a surface of light permeable panel maintaining the exact registration; and
- f) heating the light permeable panel to fuse the laminate pattern of color coatings onto the surface of the light permeable panel.

13. The method according to claim 12 wherein:

- a) the base material comprises water slide paper; and

5 b) the step of transferring the laminate pattern of color coatings includes wetting said the material to release the laminate pattern of applied color coatings therefrom for water slide transfer to the light permeable panel.

14. The method according to claim 13 wherein at least one of the color coatings is opaque.

15. The method according to claim 14 wherein the color coatings comprise ceramic ink.

16. The method according to claim 14 wherein the color coatings comprise enamel.

17. The method according to claim 13 which includes the step of applying at least one coating of metalized material over at least a portion of the non-perforate portions of the printable release coating side of the base material prior to applying the first color coating.

18. The method according to claim 12 wherein:

a) the base material comprises heat transfer paper;

20 b) the step of transferring the laminate pattern of color coatings includes applying pressure and heat to the heat transfer paper to release the laminate pattern of applied color coatings therefrom.

19. The method according to claim 18 wherein at least one of the color coatings is opaque.

25 20. The method according to claim 19 wherein the color coatings comprise ceramic ink.

21. The method according to claim 19 wherein the color coatings comprise enamel.

22. The method according to claim 18 which includes the 30 step of applying at least one coating of metalized material over at least a portion of the non-perforate portions of the printable release coating side of the base material prior to applying the first color coating.

\* \* \* \* \*